

Peak District National Park

Forecast valid from 06:00 on Tuesday 02 Aug 2022 until 23:59 on Wednesday 03 Aug 2022

Forecast Issued on Tuesday 02 Aug 2022 at 03:58

Confidence: High confidence for wet and windy conditions at first. Lower confidence in rainfall intensity and duration through Tuesday. Confidence increasing for more settled conditions by the end of Wednesday and into the weekend as high pressure builds from the west.

Headline for Tuesday 02 Aug 2022: Widespread low cloud and rain, improving somewhat this afternoon.

Mountain weather hazards on Tuesday 02 Aug 2022

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Heavy Rain	Heavy Rain	Light rain	Sunny intervals	Cloudy	Drizzle
Precipitation probability					
60%	60%	40%	20%	20%	30%

Forecast for Tuesday 02 Aug 2022

Weather: Widespread low cloud and spells of heavy rain through the morning. Rain becoming lighter and more sporadic by midday, but still overcast with low cloud at times. Into the afternoon there may be some brief clear spells, particularly towards the east of the park. Patchy cloud continuing into the evening with outbreaks of drizzle. Strong winds throughout but feeling mild.

Chance of cloud-free hill tops above 600m: 30% increasing to 80% in the afternoon.

Low cloud and visibility: Very poor visibility in extensive low cloud base 300-400m during the morning. Visibility improving to moderate to good later with cloud lifting mostly above summits. Moderate visibility is possible in drizzle later.

Forecast for Tuesday 02 Aug 2022

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	27/33 SW	28/35 SW	28/37 SW	22/30 SW	23/33 SW	25/34 SW	26/35 SW
300	22/29 SW	22/30 SW	23/32 SW	17/25 SW	18/28 SW	19/28 SW	19/28 SW
Valley	11/26 SW	12/26 SW	15/29 SW	12/26 SW	11/24 SW	13/28 SW	13/27 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/11	16/11	16/11	17/13	17/13	15/11	15/11
300	17/13	17/14	18/14	20/17	19/16	18/14	17/14
Valley	17/16	18/16	19/17	20/18	20/18	18/16	17/16
Freezing Level*	3900m	3800m	3800m	3800m	3700m	3500m	2800m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A challenging morning with poor visibility on many routes and heavy rain. Winds are also expected to be strong throughout the day, particularly around exposed summits with potential for 40-45mph gusts.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 02 Aug 2022	4.8mm	14.4mm	21.6mm

Forecast for Wednesday 03 Aug 2022

Weather: A cloudy start to the day on Wednesday with patchy rain and drizzle, particularly on western slopes. Becoming drier as cloud breaks up through the morning with a chance of an isolate shower. Spells of sunshine will become more prolonged in the afternoon. Winds lighter than yesterday but still feeling breezy.

Maximum wind: West-southwesterly 20mph gusting 30-35mph.

Chance of cloud-free hill tops above 600m: 30% in the morning, increasing to 90% in the afternoon.

Low cloud and visibility: Extensive low cloud with bases 300-400m early morning will lift and break up through the morning. Through the afternoon there will be patchy cloud with bases 700-800m. Visibility improving as any rain and drizzle clears, good to very good visibility beneath any cloud during the afternoon.

Temperature: **Valleys:** Plus 13 Celsius increasing to 20 Celsius
At 600m: Plus 13 Celsius
Freezing level: Above summits